

NAG Toolbox for MATLAB

x05aa

1 Purpose

x05aa returns the current date and time.

2 Syntax

```
[itime] = x05aa()
```

3 Description

x05aa returns the current date and time as a set of seven integers.

4 References

None.

5 Parameters

5.1 Compulsory Input Parameters

None.

5.2 Optional Input Parameters

None.

5.3 Input Parameters Omitted from the MATLAB Interface

None.

5.4 Output Parameters

1: **itime(7) – int32 array**

The current date and time, as follows:

itime(1) contains the current year.

itime(2) contains the current month, in the range 1–12.

itime(3) contains the current day, in the range 1–31.

itime(4) contains the current hour, in the range 0–23.

itime(5) contains the current minute, in the range 0–59.

itime(6) contains the current second, in the range 0–59.

itime(7) contains the current millisecond, in the range 0–999.

6 Error Indicators and Warnings

None.

7 Accuracy

The accuracy of this function depends on the accuracy of the host machine. In particular, on some machines it may not be possible to return a value for the current millisecond. In this case, the value returned will be zero.

8 Further Comments

None.

9 Example

```
[itime] = x05aa()
```

```
itime =  
      2008  
         2  
        25  
        12  
        55  
        55  
       584
```